

Type Approval Certificate



[Welding Consumables]

Initial Approval 1 September 2016

Manufacturer Kobelco Welding of Qingdao Co., Ltd.
No. 158, Lishan Road, Huangdao District, Qingdao, Shandong Province, P.R.China

Product Description Flux cored wires with gas for semi-automatic and automatic arc welding

- Brand : DW-460L / CO₂
- Grade : 5Y46SMG (C1) H5
- Diameter (mm) : 1.2 ~ 1.4
- Current (Polarity) : DC (+)
- Shielding Gas : CO₂ 100%
- Welding Position : All excluding vertical-down

* See "Appendix 1"

- Approval Condition**
1. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
 2. Periodical survey is to be carried out at an interval of one(1) year in the presence of the surveyor.
 3. Individual Product Certification is not required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 2, Ch. 2, Sec. 6 of the Rules for the Classification of Steel Ships.

This Certificate is valid until 31 August 2026

Issued at Qingdao, China on 12 January 2022



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME24003119253) and certificate No.(QDO25071-WD002).



KOREAN REGISTER

Chungsoo Kim

*General Manager of
Qingdao Branch Office*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Endorsement for Periodical Survey

Date of Issue : 12 January 2022

Anniversary Date : 31 August

This is to certify that the product is in compliance with the relevant requirements to obtain/retain the Society's approval in accordance with Pt. 2, Ch. 2, Sec. 6 of the Rules for the Classification of Steel Ships. and is valid until 31 August 2022

■ Periodical Survey

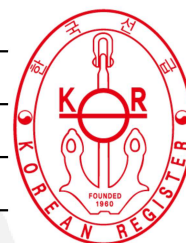
Periodical Survey has been carried out and the product is valid until

31 August 2023

Branch(Office) : Qingdao Branch Office

Date : 23 November 2022

Surveyor : HAN Wenfan



■ Periodical Survey

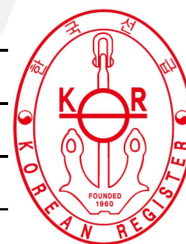
Periodical Survey has been carried out and the product is valid until

31 August 2024

Branch(Office) : Qingdao Branch Office

Date : 23 November 2023

Surveyor : WU Hongjin



■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) :

Date :

Surveyor :

■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) :

Date :

Surveyor :

Note : The approval will be automatically suspended and the Certificate become invalid if not endorsed annually within 3 months after the anniversary date of this Certificate